NIST Center for Neutron Research (NCNR)

Live Report

22-Feb-2004 7:51:33 AM

There are a total of **13** responses for the selected group from 13-Feb-2004 to 20-Feb-2004.

SPINS responses only

1. Your position

Percent	Count	Answers
15.4%	2/13	Graduate Student
15.4%	2/13	Post-doc
23.1%	3/13	Professor
46.2%	6/13	Staff Scientist
0.0%	0/13	Other
100.0%	**13/13**	**Summary**

2. Your primary instrument (Please use this instrument as the basis for answers to sections 3 and 4)

Percent	Count	Answers
0.0%	0/13	30m SANS, NG3
0.0%	0/13	30m SANS, NG7
0.0%	0/13	8m SANS, NG1
0.0%	0/13	Reflectometer, horizontal sample geometry, NG7
0.0%	0/13	Reflectometer, polarized beam option, vertical geometry, NG1
0.0%	0/13	Disk Chopper Spectrometer, NG4
0.0%	0/13	Backscattering Spectrometer, NG2
0.0%	0/13	Spin-Echo Spectrometer, NG5
100.0%	13/13	Cold Neutron Triple-Axis (SPINS), NG5
0.0%	0/13	USANS, BT5

	0.0%	0/13 Powder Diffractometer, BT1
	0.0%	0/13 Residual Stress Diffractometer, BT8
	0.0%	0/13 Filter Analyzer Spectrometer (FANS), BT4
	0.0%	0/13 Triple-Axis Spectrometer with polarized beam option, BT2
	0.0%	0/13 Triple-Axis Spectrometer, BT9
	100.0%	**13/13 Summary**

3. Please rate the proposal process

1) Ease of proposal submission		2.6/3
2) Referee reports and PAC comments		2.5/3
3) Proposal process fairness		2.5/3
4) Scheduling process following approval		2.6/3

Legends:
Poor
Adequate
Excellent
Overall rating based on the scale from 1 to 3

1) Ease of proposal submission

Percent	Count	Answers
0.0%	0/13	Poor
38.5%	5/13	Adequate
61.5%	8/13	Excellent
100.0%	**13/13**	**Summary**
	2.6/3	Overall rating from 1 to 3

2) Referee reports and PAC comments

Percent	Count	Answers
0.0%	0/13	Poor
53.8%	7/13	Adequate
46.2%	6/13	Excellent
100.0%	**13/13**	**Summary**
	2.5/3	Overall rating from 1 to 3

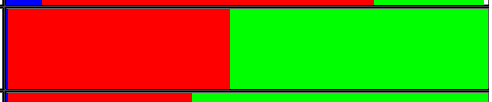
3) Proposal process fairness

Percent	Count	Answers
0.0%	0/13	Poor
53.8%	7/13	Adequate
46.2%	6/13	Excellent
100.0%	**13/13**	**Summary**
	2.5/3	Overall rating from 1 to 3

4) Scheduling process following approval

Percent	Count	Answers
0.0%	0/13	Poor
38.5%	5/13	Adequate
61.5%	8/13	Excellent
100.0%	**13/13**	**Summary**
	2.6/3	Overall rating from 1 to 3

4. Please rate the effectiveness of the health physics training

1) Relevance of computer based training content	2.2/3	
2) Efficiency of computer based training	2.2/3	
3) NCNR Health Physics tour	2.5/3	
4) Discussion/exam review with health physicist	2.6/3	
5) Refresher/Reindoctrination Training	2.4/3	

Legends:
Poor
Adequate
Excellent
Overall rating based on the scale from 1 to 3

1) Relevance of computer based training content

Percent	Count	Answers
7.7%	1/13	Poor
69.2%	9/13	Adequate

23.1%	3/13	Excellent
100.0%	**13/13**	**Summary**
2.2/3	Overall rating from 1 to 3	

2) Efficiency of computer based training

Percent	Count	Answers
7.7%	1/13	Poor
69.2%	9/13	Adequate
23.1%	3/13	Excellent
100.0%	**13/13**	**Summary**
2.2/3	Overall rating from 1 to 3	

3) NCNR Health Physics tour

Percent	Count	Answers
0.0%	0/13	Poor
46.2%	6/13	Adequate
53.8%	7/13	Excellent
100.0%	**13/13**	**Summary**
2.5/3	Overall rating from 1 to 3	

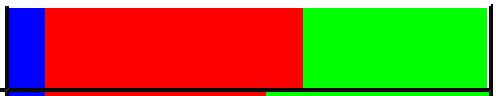
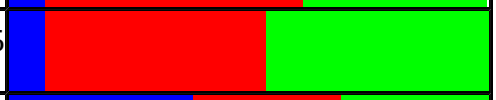
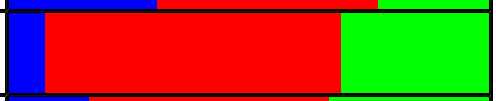
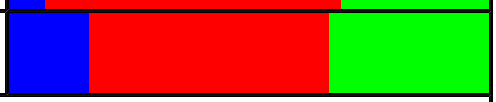
4) Discussion/exam review with health physicist

Percent	Count	Answers
0.0%	0/13	Poor
38.5%	5/13	Adequate
61.5%	8/13	Excellent
100.0%	**13/13**	**Summary**
2.6/3	Overall rating from 1 to 3	

5) Refresher/Reindoctrination Training

Percent	Count	Answers
15.4%	2/13	Poor
30.8%	4/13	Adequate
53.8%	7/13	Excellent
100.0%	**13/13**	**Summary**
2.4/3	Overall rating from 1 to 3	

5. **Please rate the user support facilities**

1) User Laboratory facilities	3.1/5	
2) Tools and supplies in support labs	3.3/5	
3) User Offices	2.5/5	
4) NCNR computers for users	2.4/5	
5) Network access for user laptops	2.8/5	
6) Break/snack room facilities	2.8/5	

Legends:
Poor
Adequate
Excellent
Overall rating based on the scale from 1 to 5

1) User Laboratory facilities

Percent	Count	Answers
7.7%	1/13	Poor
53.8%	7/13	Adequate
38.5%	5/13	Excellent
100.0%	**13/13**	**Summary**
3.1/5		Overall rating from 1 to 5

2) Tools and supplies in support labs

Percent	Count	Answers
7.7%	1/13	Poor
46.2%	6/13	Adequate
46.2%	6/13	Excellent
100.0%	**13/13**	**Summary**
3.3/5		Overall rating from 1 to 5

3) User Offices

Percent	Count	Answers
38.5%	5/13	Poor
30.8%	4/13	Adequate
30.8%	4/13	Excellent
100.0%	**13/13**	**Summary**

2.5/5 Overall rating from 1 to 5

4) NCNR computers for users

Percent	Count	Answers
30.8%	4/13	Poor
46.2%	6/13	Adequate
23.1%	3/13	Excellent
100.0%	**13/13**	**Summary**

2.4/5 Overall rating from 1 to 5

5) Network access for user laptops

Percent	Count	Answers
7.7%	1/13	Poor
61.5%	8/13	Adequate
30.8%	4/13	Excellent
100.0%	**13/13**	**Summary**

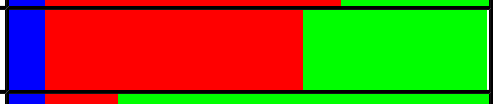
2.8/5 Overall rating from 1 to 5

6) Break/snack room facilities

Percent	Count	Answers
16.7%	2/12	Poor
50.0%	6/12	Adequate
33.3%	4/12	Excellent
100.0%	**12/12**	**Summary**

2.8/5 Overall rating from 1 to 5

6. Please rate the following aspects of sample environments

1) Availability of different sample environments	2.8/5	
2) Quality and reliability of the equipment	3.1/5	
3) Support from sample environment personnel	4.2/5	

Legends:
Poor
Adequate
Excellent
Overall rating based on the scale from 1 to 5

1) Availability of different sample environments

Percent	Count	Answers
7.7%	1/13	Poor
61.5%	8/13	Adequate
30.8%	4/13	Excellent
100.0%	**13/13**	**Summary**
2.8/5		Overall rating from 1 to 5

2) Quality and reliability of the equipment

Percent	Count	Answers
7.7%	1/13	Poor
53.8%	7/13	Adequate
38.5%	5/13	Excellent
100.0%	**13/13**	**Summary**
3.1/5		Overall rating from 1 to 5

3) Support from sample environment personnel

Percent	Count	Answers
7.7%	1/13	Poor
15.4%	2/13	Adequate
76.9%	10/13	Excellent
100.0%	**13/13**	**Summary**
4.2/5		Overall rating from 1 to 5

7. What other sample environments would you research benefit from

- More cryostats with high-field magnets.
- Higher field for both vertical and expecially horizontal cryomagnets.
- An accurate absolute calibration of the thermometry is essential.
- horizontal magnet with wide access (not SANS-type)
- 15 T magnet
  Low T high pressure equipment
  modern 3He system

8. Please rate your primary NCNR instrument

1) Hardware reliability and performance	3.4/5	
2) Data acquisition software	2.8/5	
3) Support from NCNR staff	4.8/5	

Legends:
Poor
Adequate
Excellent
Overall rating based on the scale from 1 to 5

1) Hardware reliability and performance

Percent	Count	Answers
0.0%	0/13	Poor
53.8%	7/13	Adequate
46.2%	6/13	Excellent
100.0%	**13/13**	**Summary**
3.4/5		Overall rating from 1 to 5

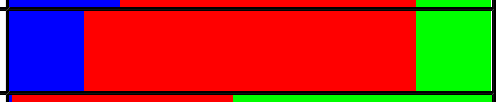
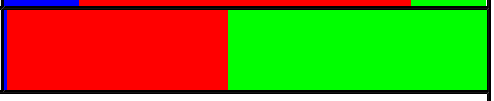
2) Data acquisition software

Percent	Count	Answers
30.8%	4/13	Poor
30.8%	4/13	Adequate
38.5%	5/13	Excellent
100.0%	**13/13**	**Summary**
2.8/5		Overall rating from 1 to 5

3) Support from NCNR staff

Percent	Count	Answers
0.0%	0/13	Poor
7.7%	1/13	Adequate
92.3%	12/13	Excellent
100.0%	**13/13**	**Summary**
4.8/5		Overall rating from 1 to 5

9. Please rate data analysis and visualization software at the NCNR

1) Quality of software	2.2/5	
2) Range of capabilities	2.3/5	
3) Assistance from NCNR staff	3.6/5	

Legends:
Poor
Adequate
Excellent
Overall rating based on the scale from 1 to 5

1) Quality of software

Percent	Count	Answers
23.1%	3/13	Poor
61.5%	8/13	Adequate
15.4%	2/13	Excellent
100.0%	**13/13**	**Summary**
2.2/5		Overall rating from 1 to 5

2) Range of capabilities

Percent	Count	Answers
15.4%	2/13	Poor
69.2%	9/13	Adequate
15.4%	2/13	Excellent
100.0%	**13/13**	**Summary**
2.3/5		Overall rating from 1 to 5

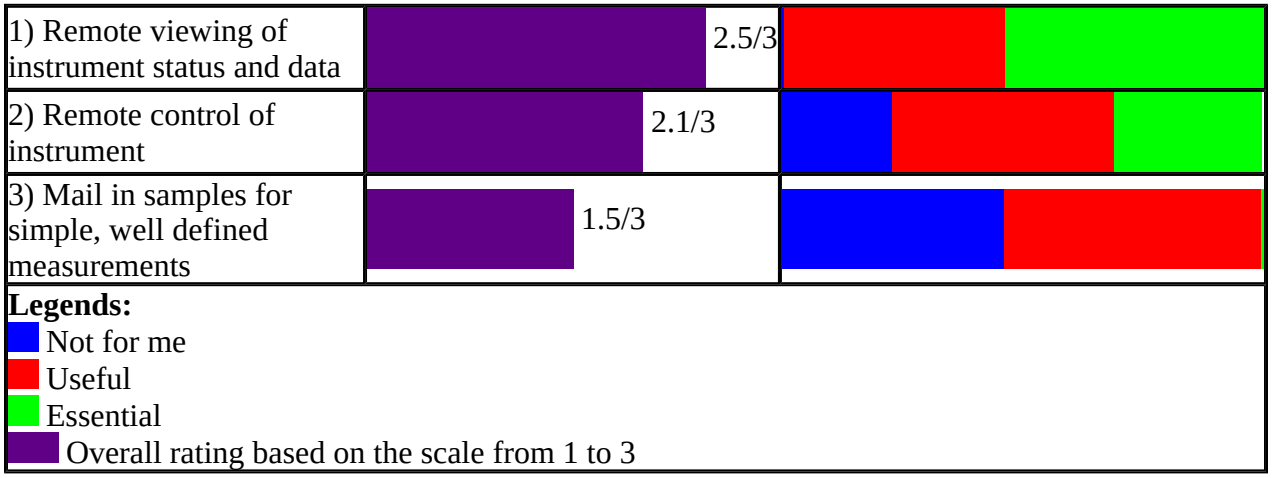
3) Assistance from NCNR staff

Percent	Count	Answers
0.0%	0/13	Poor
46.2%	6/13	Adequate
53.8%	7/13	Excellent
100.0%	**13/13**	**Summary**
3.6/5		Overall rating from 1 to 5

10. What other data analysis tools would your research benefit from

- Microcal Origin and Matlab.
- I use my own softwares to analyze and visualize data.
  Current software is sufficient and the choise entered in 3.5 does not mean that the NCNR need to do much more.
- Simulated scattering intensity for a number of simple model cross-sections (eg Bragg scatytering by powder and single crystals, a single-particle scattering for a given dispersion)
- a standard comprehensive data file format

11. Please rate to what extent these forms of remote access (would) benefit your research program



1) Remote viewing of instrument status and data

Percent	Count	Answers
0.0%	0/13	Not for me
46.2%	6/13	Useful
53.8%	7/13	Essential
100.0%	**13/13**	**Summary**
	2.5/3	Overall rating from 1 to 3

2) Remote control of instrument

Percent	Count	Answers
23.1%	3/13	Not for me
46.2%	6/13	Useful
30.8%	4/13	Essential
100.0%	**13/13**	**Summary**
	2.1/3	Overall rating from 1 to 3

3) Mail in samples for simple, well defined measurements

Percent	Count	Answers
46.2%	6/13	Not for me
53.8%	7/13	Useful
0.0%	0/13	Essential
100.0%	**13/13**	**Summary**
	1.5/3	Overall rating from 1 to 3

12. **Please list any neutron instruments not currently at the NCNR that would benefit your research program or the community in general.**

- BT7
- dedicated polarized beam spectrometer
  four circle single crystal diffractometer
  polarized beam diffractometer

13. **Are there any other comments or suggestions about the NCNR that you would like to add?**

- The NCNR has the best suite of instruments and sample environments among US neutron facilities. And it is also the most open and fair to the user community. I hope that both can be continued to the future.
- Do something about those user cubicles!
- A larger sample environment support group
  A modern triple axis instrument control system